

Patent Abstracts of Japan

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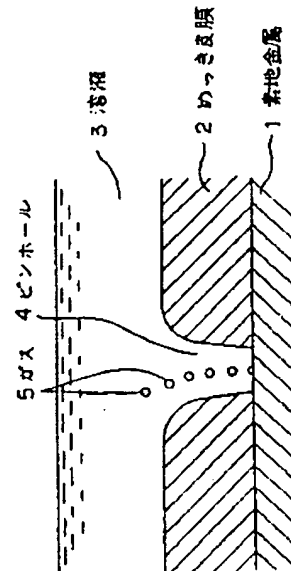
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APPLICANT : EAGLE IND CO LTD;

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TITLE : DETECTING DEVICE FOR PIN HOLE
OF PLATING



ABSTRACT : PURPOSE: To surely detect a pin hole of plating coating of a plating product by immersing the plating product into an acid or alkaline solution, allowing a base metal of the plating product to come into contact with the solution and corroding it.

CONSTITUTION: A plating product in which aluminum is a base metal 1 and copper or nickel is plating coating 2 is immersed into a solution of 5~7% soda silicofluoride, and gas 5 caused by a corrosion of aluminum is generated from a part of a pin hole 4. By the generation of this gas 5, it is confirmed that the pin hole 4 exists in its part. Also, a plating product in which copper is a base metal and nickel is plating coating is immersed in a solution of aluminum persulphate, observed by using a Schweizer's reagent, and the existence of the pin hole is confirmed due to a fact that the part of the pin hole is colored in blue.

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